

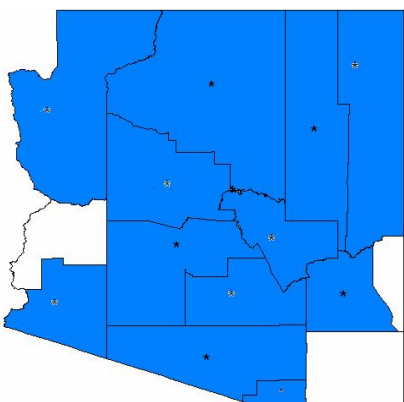
Weekly Influenza Summary:

"Regional" influenza activity was reported in Arizona for the week ending on 1/26/2008 (week 4). In Arizona, 544 cases have been reported from twelve out of fifteen counties and 5 cases were reported from an unknown county source. No pediatric influenza-associated deaths have been reported in Arizona for the current season. The influenza-like-illness rate is above the state baseline for week 3.

Data in this report are provisional and may change as more reports are received.

National influenza surveillance data are available at the CDC's Influenza Surveillance site (<http://www.cdc.gov/flu/weekly/fluactivity.htm>).

Influenza Activity by County:



Key:

* = Any activity reported this season

Blue = Activity reported in past three weeks

White = No activity reported in past three weeks

Flu Cases Reported 2007 – 2008 Season

County	# cases	County	# cases	County	# cases
Apache	6	Greenlee	0	Pima	39
Cochise	0	La Paz	0	Pinal	4
Coconino	86	Maricopa	363	Santa Cruz	1
Gila	1	Mohave	4	Yavapai	2
Graham	4	Navajo	33	Yuma	1
Unknown	5			Total	549

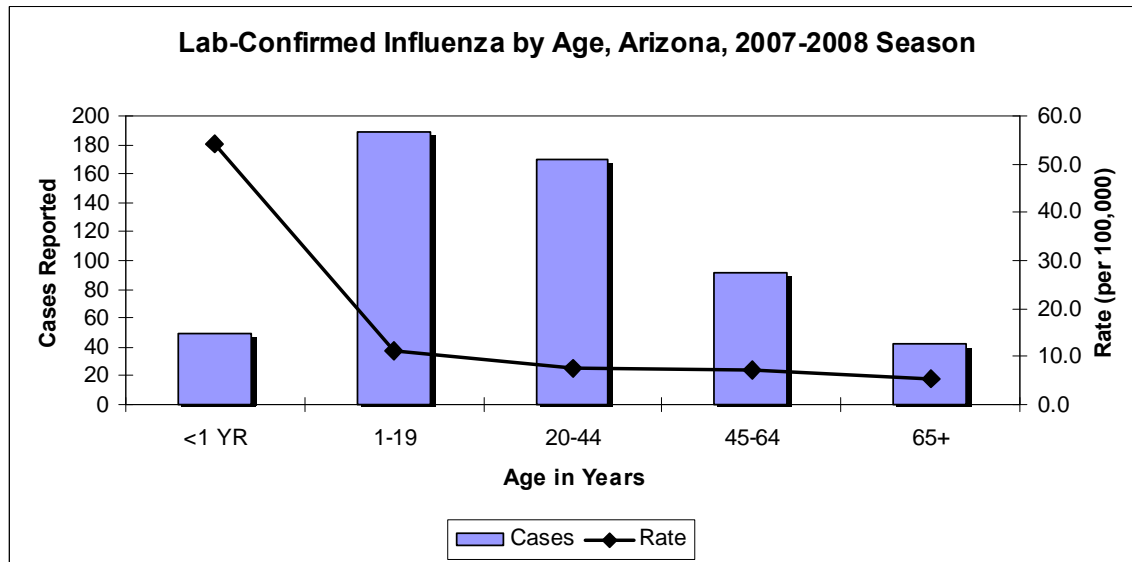
Flu Cases Reported Last Week

County	# cases	County	# cases	County	# cases
Apache	3	Greenlee	0	Pima	19
Cochise	0	La Paz	0	Pinal	0
Coconino	40	Maricopa	110	Santa Cruz	0
Gila	0	Mohave	2	Yavapai	0
Graham	0	Navajo	25	Yuma	0
Unknown	4			Total	203

Lab Surveillance:

Laboratories report positive influenza tests to ADHS. Of the lab-confirmed influenza reported this season, 369 are influenza A (118 confirmed by culture or PCR), 104 are influenza B (24 confirmed by culture or PCR) and 76 are unknown.

Ages of reported cases range from less than one year to over 65 years.



Subtyping – Culture or PCR Results:

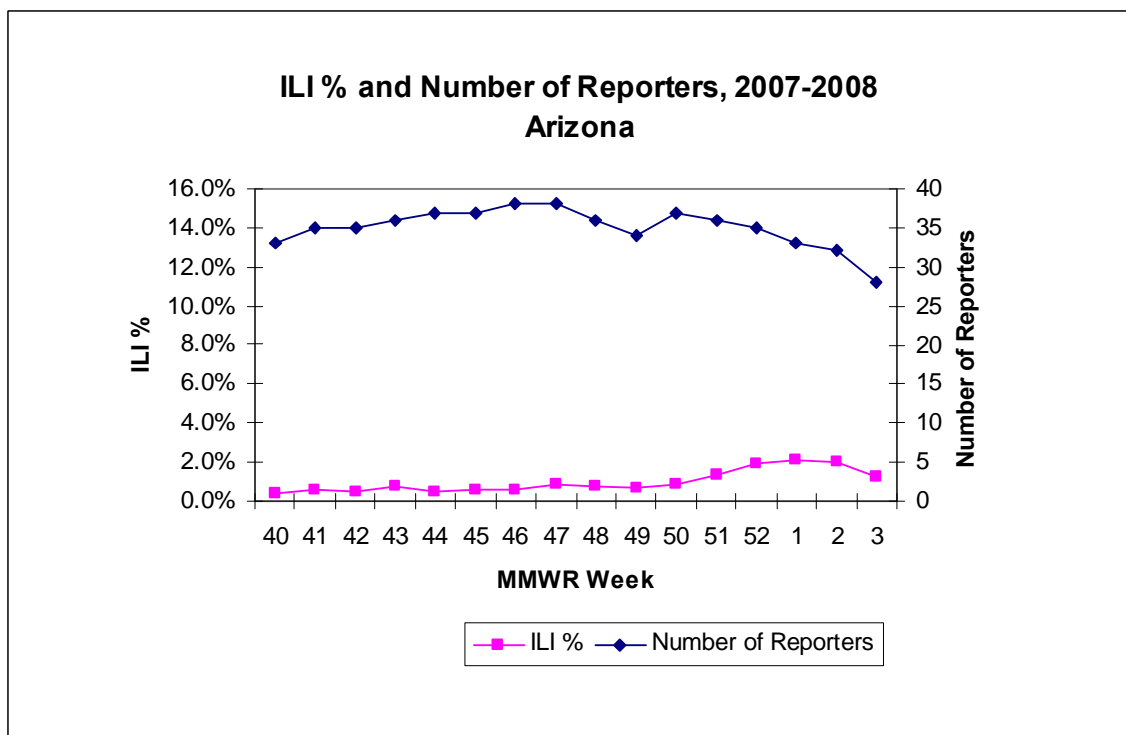
Viral isolation, or culture, is currently the gold standard for diagnosis of influenza virus infections. The influenza subtype can be determined by a test called hemagglutination inhibition (HI) using viral isolates. Polymerase chain reaction (PCR) can also be used to identify influenza B and the hemagglutinin (H) component of influenza A.

Of the 118 culture- or PCR-confirmed influenza A cases, 2 are H3N2 and 6 are H3 by PCR, 41 are H1 and 19 are H1N1 and the other 50 influenza A cases are untyped. The 24 PCR positive influenza B cases are untyped.

Influenza-Like Illness (ILI) Surveillance from Sentinel Providers

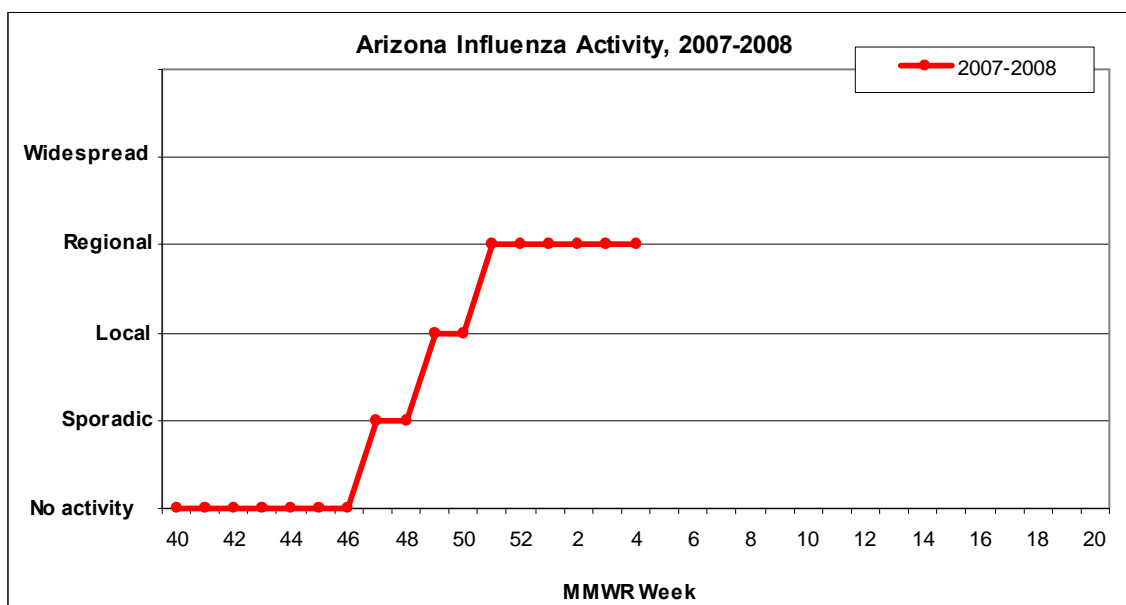
The proportion of patient visits to sentinel providers for ILI in the state was 1.2% for the week ending 1/19/2008 (week 3). This proportion is slightly higher than the Arizona ILI baseline (0.5%). As of 1/28/08, 28 sentinel providers reported by the end of week 3.

ILI is defined as a fever of at least 100°F plus either a cough or a sore throat.



Arizona Influenza Activity Levels

The graph below shows the influenza activity levels reported to the CDC for this season only. CDC has changed the reporting criteria for state activity levels so Arizona's data from previous seasons are no longer directly comparable to the current season. For week 4, Arizona reported "regional activity". Definitions of these reporting categories can be found at <http://www.cdc.gov/flu/weekly/fluactivity.htm>.



RSV Activity in Arizona:

Increasing respiratory syncytial virus (RSV) activity has been reported in Arizona. As of 1/26/2008, 764 lab-confirmed cases have been reported. Among the totaled cases, 190 new cases of RSV were reported during week 4.

